

AMENDMENTS TO THE CLAIMS

CLAIM 1 (PREVIOUSLY PRESENTED): A bicycle display apparatus that displays cumulative information produced from a bicycle-related running condition, wherein the apparatus comprises:

a computing component that calculates the cumulative information, wherein the computing component is structured for attachment to the bicycle, and wherein the computing component includes an information output component for outputting the calculated cumulative information;

a separate display component housed within a case member and including an information input component that receives the cumulative information calculated by the computing component, wherein the display component displays the cumulative information calculated by the computing component;

wherein the computing component is disposed outside of the case member and is structured to be mounted to the bicycle independently of the display component; and

wherein the display component is structured to be detachably attached to the bicycle independently of the computing component so that the computing component may remain attached to the bicycle after the display component is removed.

CLAIM 2 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the computing component comprises a cumulative information memory disposed outside of the case member for periodically storing the cumulative information calculated by the computing component.

CLAIM 3 (CANCELED).

CLAIM 4 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein power is communicated from the computing component to the display component through the information output component and the information input component.

CLAIM 5 (ORIGINAL): The apparatus according to claim 4 wherein the power and the information calculated by the computing component are communicated from the computing component to the display component through a single communication line.

CLAIM 6 (ORIGINAL): The apparatus according to claim 5 wherein the power and the information calculated by the computing component are communicated from the computing component to the display component in one way only through the communication line.

CLAIM 7 (ORIGINAL): The apparatus according to claim 1 wherein the computing component uses rotation information from a rotating member on the bicycle to calculate the cumulative information.

CLAIM 8 (ORIGINAL): The apparatus according to claim 7 wherein the rotation information comprises rotation of a bicycle wheel.

CLAIM 9 (ORIGINAL): The apparatus according to claim 8 wherein the rotation information comprises signals from an alternating current generator that rotates with the bicycle wheel.

CLAIM 10 (ORIGINAL): The apparatus according to claim 7 wherein the cumulative information comprises a total distance traveled by the bicycle.

CLAIM 11 (ORIGINAL): The apparatus according to claim 1 wherein the display component comprises a start input component for initiating computation of additional cumulative information.

CLAIM 12 (PREVIOUSLY PRESENTED): The apparatus according to claim 11 wherein the display component further comprises a cumulative information memory housed within the case member for storing the cumulative information communicated from the computing component.

CLAIM 13 (ORIGINAL): The apparatus according to claim 12 wherein the display component stores the cumulative information communicated from the computing component in the cumulative information memory as reference cumulative information in response to operation of the start input component.

CLAIM 14 (ORIGINAL): The apparatus according to claim 13 wherein the display component calculates additional cumulative information using the reference cumulative information and subsequent cumulative information communicated from the computing component.

CLAIM 15 (ORIGINAL): The apparatus according to claim 14 wherein the display component is structured to display the additional cumulative information.

CLAIM 16 (ORIGINAL): The apparatus according to claim 15 wherein the display component is structured to display the cumulative information communicated from the computing component.

CLAIM 17 (ORIGINAL): The apparatus according to claim 16 wherein display component further comprises a display switching component for alternately displaying the cumulative information communicated from the computing component and the additional cumulative information.

CLAIMS 18-28 (CANCELED).

CLAIM 29 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 further comprising a second computing component that calculates and displays information on the display component.

CLAIM 30 (PREVIOUSLY PRESENTED): The apparatus according to claim 29 wherein the second computing component is disposed within the case member.

CLAIM 31 (PREVIOUSLY PRESENTED): The apparatus according to claim 29 wherein the second computing component receives data from the computing component through the information input component and calculates the information displayed on the display component from the data received from the computing component through the information input component.

CLAIM 32 (PREVIOUSLY PRESENTED): The apparatus according to claim 29 wherein the information input component is physically detachable from the information output component.

CLAIM 33 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the information input component is physically detachable from the information output component.

CLAIM 34 (PREVIOUSLY PRESENTED): The apparatus according to claim 33 wherein power is communicated from the computing component to the display component through the information output component and the information input component.

CLAIM 35 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the case member is mounted to a bracket that is structured to be mounted to a bicycle handlebar.

CLAIM 36 (PREVIOUSLY PRESENTED): The apparatus according to claim 35 wherein the case member is structured to be detachable from the bracket so that the information output component is physically detachable from the information input component.

CLAIM 37 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the computing component is structured for attachment to the bicycle spaced apart from the case member.

CLAIM 38 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the computing component comprises a cumulative information memory disposed outside of the case member for periodically storing the cumulative information calculated by the computing component, and further comprising a second computing component that calculates and displays information on the display component, wherein the second computing component is disposed within the case member.

CLAIM 39 (PREVIOUSLY PRESENTED): The apparatus according to claim 38 wherein the cumulative information comprises total distance traveled by the bicycle.